

=====

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=18; hr=17; min=45; sec=55; ms=198;]

=====

Reviewer Comments:

<210> 3

<211> 30

<212> DNA

<213> Sense primer

<400> 3

gaagatctat ggaaggaacc ggcgttgtgg

30

The above <213> response is invalid, per 1.823 of the Sequence Rules. The only valid responses are: the Genus species of the organism, "Artificial Sequence," or "Unknown." "Artificial Sequence" and "Unknown" require explanation in the <220>-<223> section. Same error in Sequences 4-6.

Application No: 10590034 Version No: 1.0

Input Set:

Output Set:

Started: 2008-03-06 15:23:15.961
Finished: 2008-03-06 15:23:16.241
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 280 ms
Total Warnings: 4
Total Errors: 0
No. of SeqIDs Defined: 6
Actual SeqID Count: 6

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)

SEQUENCE LISTING

<110> Genomine, Inc.
Korea Research Institute of Chemical Technology

<120> Polypeptide Participating in Pyridoxine Biosynthesis, a
Polynucleotide Coding the Polypeptide and Those Uses

<130> DJKIM.GENO.PT1

<140> 10590034

<141> 2008-03-06

<150> PCT/KR05/000453

<151> 2006-08-18

<150> PCT/KR2005/000453

<151> 2005-02-18

<150> 10-2004-0011517

<151> 2004-02-20

<160> 6

<170> PatentIn version 3.3

<210> 1

<211> 1297

<212> DNA

<213> Arabidopsis thaliana

<400> 1

tcactataaaa gccgatccat agataaacga ggaccggcca gaaatcgctt caccattccc	60
aaatctctct tccattttct ccacacaaat ttctcttcaa tctccgataa tggaaggaac	120
cggcggttggt gcggtgtacg gtaacgggtgc gataacggag gcgaagaaat ctcccttctc	180
cgtgaaggtc ggtttggctc agatgctccg tgggtggtgtt atcatggatg tcgtcaacgc	240
cgagcaagct cgtatcgccg aggaggctgg tgcttgccgc gtcattggctt tggagcgtgt	300
tcctgctgat atccgcgctc aaggaggcgt cgctcgatat agcgatccac aaatgattaa	360
agaaatcaaa caagccgtta cgattccggt gatggctaag gctaggattg gtcatttcgt	420
tgaagctcag atccttgaag caattggaat cgattacatc gatgagagcg aggttttgac	480
tcttgctgat gaagatcatc acatcaacaa gcataatttc cggatcccgt tcgtttgcgg	540
ttgccggaat ctcggcgagg ctctgaggag gatccgtgaa ggtgcggcga tgattaggac	600
caaaggtgaa gctggaaccg gtaacattat tgaagctgtg aggcatgtga ggtctgttaa	660
tggtgacatt agggttttgc gaaacatgga tgatgatgag gttttcactt tcgctaagaa	720
attagccgct ccgtacgatc tcgtgatgca gactaagcag cttggtcgtc ttctgtagt	780

```

ccaattcgcc gccggtggag tggctactcc ggctgatgca gctctcatga tgcagcttgg      840
atgtgatggg gtctttgttg gttctgggtat cttcaagagc ggtgaccag ctcgtcgtgc      900
acgtgccatt gttcaggctg tgactcatta cagtgaccct gagatgcttg tggaggtgag      960
ctgtgggctt ggagaagcca tggttgggat caatctcaac gatgagaagg ttgagaggtt     1020
cgctaatcgc tccgagtgat caaagaaata aaaggtaaaa tatctcagac gaaatggttt     1080
cagaattttc tcagaccatt ttgcagtaat ctctttgaaa agaagaagat gatgatattg     1140
ttggtagttt gtatcctttg tgttttcctt ataatctttg atagtctttt gttattgtaa     1200
ctcgtaatcc ctttgcaaga acaagtttgt cagttataat aatgtactac tctcttgatc     1260
gatcagttgg ttttgaatct gatatattct tcgatcc                                1297

```

```

<210>  2
<211> 309
<212>  PRT
<213>  Arabidopsis thaliana

<400>  2

```

```

Met Glu Gly Thr Gly Val Val Ala Val Tyr Gly Asn Gly Ala Ile Thr
1              5              10              15

```

```

Glu Ala Lys Lys Ser Pro Phe Ser Val Lys Val Gly Leu Ala Gln Met
          20              25              30

```

```

Leu Arg Gly Gly Val Ile Met Asp Val Val Asn Ala Glu Gln Ala Arg
          35              40              45

```

```

Ile Ala Glu Glu Ala Gly Ala Cys Ala Val Met Ala Leu Glu Arg Val
          50              55              60

```

```

Pro Ala Asp Ile Arg Ala Gln Gly Gly Val Ala Arg Met Ser Asp Pro
65              70              75              80

```

```

Gln Met Ile Lys Glu Ile Lys Gln Ala Val Thr Ile Pro Val Met Ala
          85              90              95

```

```

Lys Ala Arg Ile Gly His Phe Val Glu Ala Gln Ile Leu Glu Ala Ile
          100             105             110

```

```

Gly Ile Asp Tyr Ile Asp Glu Ser Glu Val Leu Thr Leu Ala Asp Glu
          115             120             125

```

Asp His His Ile Asn Lys His Asn Phe Arg Ile Pro Phe Val Cys Gly
130 135 140

Cys Arg Asn Leu Gly Glu Ala Leu Arg Arg Ile Arg Glu Gly Ala Ala
145 150 155 160

Met Ile Arg Thr Lys Gly Glu Ala Gly Thr Gly Asn Ile Ile Glu Ala
165 170 175

Val Arg His Val Arg Ser Val Asn Gly Asp Ile Arg Val Leu Arg Asn
180 185 190

Met Asp Asp Asp Glu Val Phe Thr Phe Ala Lys Lys Leu Ala Ala Pro
195 200 205

Tyr Asp Leu Val Met Gln Thr Lys Gln Leu Gly Arg Leu Pro Val Val
210 215 220

Gln Phe Ala Ala Gly Gly Val Ala Thr Pro Ala Asp Ala Ala Leu Met
225 230 235 240

Met Gln Leu Gly Cys Asp Gly Val Phe Val Gly Ser Gly Ile Phe Lys
245 250 255

Ser Gly Asp Pro Ala Arg Arg Ala Arg Ala Ile Val Gln Ala Val Thr
260 265 270

His Tyr Ser Asp Pro Glu Met Leu Val Glu Val Ser Cys Gly Leu Gly
275 280 285

Glu Ala Met Val Gly Ile Asn Leu Asn Asp Glu Lys Val Glu Arg Phe
290 295 300

Ala Asn Arg Ser Glu
305

<210> 3
<211> 30
<212> DNA
<213> Sense primer

<400> 3
gaagatctat ggaaggaacc ggcgttgtgg

<210> 4
<211> 32
<212> DNA
<213> Antisense primer

<400> 4
cgaagctttt ataactgaca aacttgttct tg 32

<210> 5
<211> 29
<212> DNA
<213> Sense primer

<400> 5
gaagatctca ctcggagcga ttagcgaac 29

<210> 6
<211> 30
<212> DNA
<213> Antisense primer

<400> 6
gctctagatg gaaggaaccg gcgttggtggc 30